

## **ABSTRACT**

An electronic device, for example a smoke alarm, that includes a battery carrier that includes a push to open and push to close apparatus for opening and closing the carrier. In one embodiment, the carrier is mounted so as to be pivotable between a  
5 closed position and an open position. Pivoting movement of the carrier is controlled by a double acting latch mechanism that includes at least one heart-shaped cam groove and at least one cam follower engaging with the cam groove. The carrier is a simple to access and operate to facilitate replacement of the battery. A lockout mechanism can also be provided to prevent closure of the carrier without a battery installed. In addition,  
10 a tamper resist mechanism can be provided to prevent the carrier from being opened when the carrier is at the closed position.